

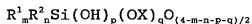
CLAIMS:

1. An ink jet printing paper sheet comprising cellulose fibers coated at least in part with solids of a

- 5 substantially organic solvent-free, silicone resin-containing emulsion composition which is obtained by emulsion polymerization of a mixture comprising:

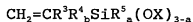
(a) 100 parts by weight of at least one of (a-1) a singly water insoluble, silanol group-bearing silicone resin

- 10 having the following average compositional formula:



wherein R^1 is a monovalent hydrocarbon group having 1 to 10

- 15 carbon atoms, R^2 is a substituted monovalent hydrocarbon group having 1 to 10 carbon atoms, X is a monovalent hydrocarbon group having 1 to 6 carbon atoms, m, n, p and q are positive numbers satisfying $0.5 \leq m \leq 1.8$, $0 \leq n \leq 1.0$, $0 < p \leq 1.5$, $0 \leq q \leq 0.5$, $0.5 \leq m+n \leq 1.8$, $0 < p+q \leq 1.5$,
20 and $0.5 < m+n+p+q < 3$, and (a-2) a radical polymerizable vinyl group-bearing alkoxysilane having the following general formula:



25 wherein R^3 is hydrogen or methyl, R^4 is a divalent hydrocarbon group of 1 to 10 carbon atoms which may be separated by an oxygen atom, -COO- group or the like, R^5 is a substituted or unsubstituted monovalent hydrocarbon group
30 having 1 to 8 carbon atoms, X is as defined above, "a" is 0 or 1, and "b" is 0 or 1, and

(b) 100 to 100,000 parts by weight of a radical polymerizable vinyl monomer.

- 35 2. The paper sheet of claim 1 wherein the cellulose fibers are coated at least in part with solids of the emulsion composition by carrying out paper-making in the emulsion composition or by coating or impregnating a paper sheet with the emulsion composition.